

=> d his

(FILE 'HOME' ENTERED AT 10:43:58 ON 13 SEP 2006)

FILE 'REGISTRY' ENTERED AT 10:44:09 ON 13 SEP 2006

L1 STRUCTURE UPLOADED

L2 2 S L1

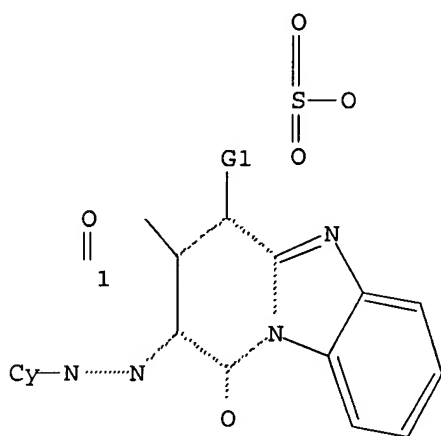
L3 109 S L1 FULL

FILE 'CAPLUS' ENTERED AT 10:45:18 ON 13 SEP 2006

L4 4 S L3

=> d que l4 stat

L1 STR



G1 CN,Hy, [@1]

Structure attributes must be viewed using STN Express query preparation.

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L4 4 SEA FILE=CAPLUS ABB=ON PLU=ON L3

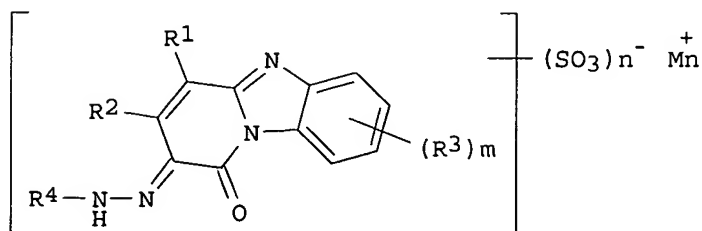
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L4 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:493793 CAPLUS
 DN 141:55761
 TI Benzimidazole-pyridone-based azo dyes soluble in organic solvents
 IN Feiler, Leonhard; Raimann, Thomas; Eichenberger, Thomas; Huegin, Max
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 31 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004050768	A2	20040617	WO 2003-EP50898	20031126
	WO 2004050768	A3	20040812		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2505613	AA	20040617	CA 2003-2505613	20031126
	AU 2003298325	A1	20040623	AU 2003-298325	20031126
	EP 1570004	A2	20050907	EP 2003-796059	20031126
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2003016989	A	20051025	BR 2003-16989	20031126
	CN 1720298	A	20060111	CN 2003-80105071	20031126
	JP 2006509068	T2	20060316	JP 2004-556335	20031126
	US 2006053571	A1	20060316	US 2005-537063	20050601
PRAI	CH 2002-2058	A	20021205		
	WO 2003-EP50898	W	20031126		
OS	MARPAT 141:55761				
GI					



AB The azo dyes I (R1 = -CN, -COOR5, -CONR6R7, heterocyclic ring; R2 = (un)substituted alkyl, (un)substituted aryl, -CF3, -COOR5, -CONR6R7, -COR5; R3 = H, -SO3M, alkyl, alkoxy, alkylcarbonyl, -NO2, halogen; R4 = substituted aryl, substituted heteroaryl, aryl-N:N-aryl radical, heteroaryl-N:N-heteroaryl radical; R5 = H, alkyl, (un)substituted aryl; R6, R7 = H, alkyl, (un)substituted aryl; M+ = cation; m, n = 1, 2 or 3) are soluble in organic solvents and useful in production of colored plastics or polymeric color particles, and as printing inks, printing dyes, coating compns. and wood stains.

IT 704887-66-1 704887-67-2 704887-68-3
 704887-70-7 704887-72-9 704887-74-1
 704887-76-3 704887-78-5 704887-80-9
 704887-82-1 704887-84-3 704887-85-4D,
 bis[C12-14 primary amine (Primene 81)] salts 704887-86-5
 704887-87-6 704887-88-7 704887-89-8
 704887-91-2 704887-92-3 704887-94-5
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 704888-27-7 704888-29-9 704916-76-7D,
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 704916-84-7D, bis[C12-14 primary amine (Primene 81)] salts
 704916-85-8D, bis[C12-14 primary amine (Primene 81)] salts
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 RL: TEM (Technical or engineered material use); USES (Uses)
 (benzimidazole-pyridone-based azo dyes soluble in organic solvents)

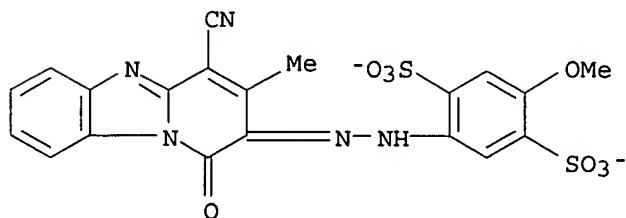
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CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-methoxy-1,4-benzenedisulfonic acid (2:1) (9CI) (CA INDEX NAME)

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CRN 704887-65-0

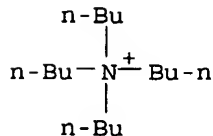
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CM 2

CRN 10549-76-5

CMF C16 H36 N



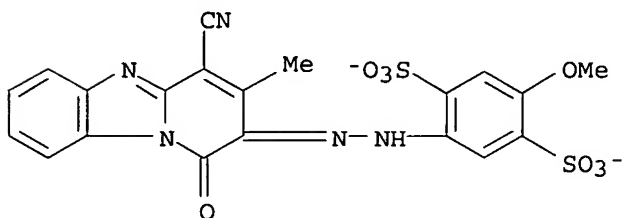
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CN 1-Hexadecanaminium, N,N,N-trimethyl-, salt with 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-methoxy-1,4-benzenedisulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-65-0

CMF C20 H13 N5 O8 S2



CM 2

CRN 6899-10-1

CMF C19 H42 N

$\text{Me}_3^+\text{N}-(\text{CH}_2)_{15}-\text{Me}$

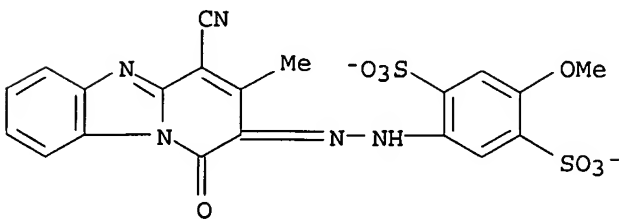
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CM 1

CRN 704887-65-0

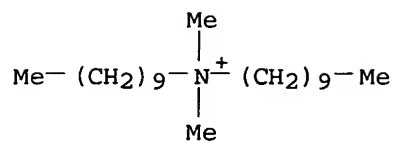
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CM 2

CRN 20256-56-8

CMF C22 H48 N



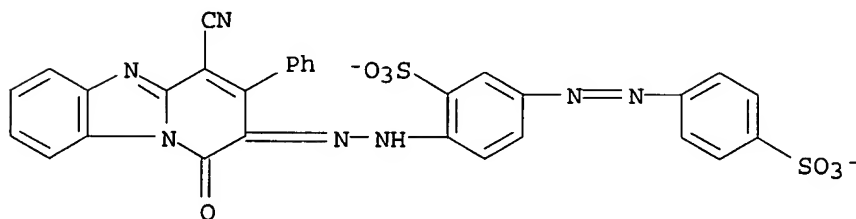
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CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[(4-cyano-1-oxo-3-phenylpyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]benzenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

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CRN 704887-69-4

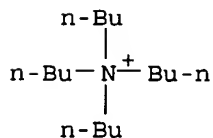
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CM 2

CRN 10549-76-5

CMF C16 H36 N



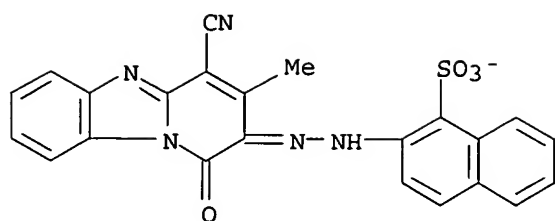
RN 704887-72-9 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-1-naphthalenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

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CRN 704887-71-8

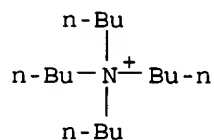
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CM 2

CRN 10549-76-5

CMF C16 H36 N



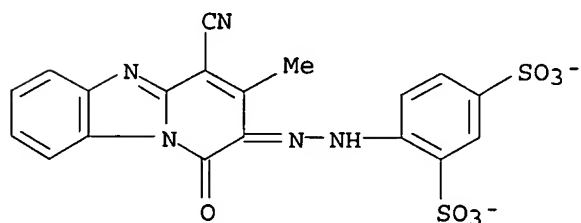
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CN 1-Butanaminium, N,N,N-tributyl-, salt with 4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-1,3-benzenedisulfonic acid (2:1) (9CI) (CA INDEX NAME)

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CRN 704887-73-0

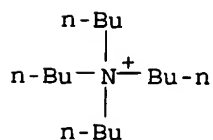
CMF C19 H11 N5 O7 S2



CM 2

CRN 10549-76-5

CMF C16 H36 N



RN 704887-76-3 CAPLUS

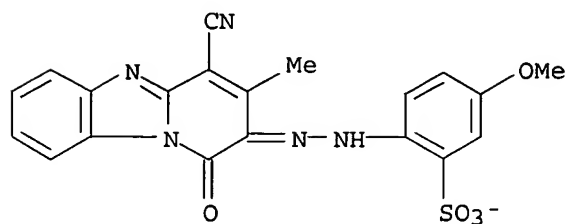
CN 1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 2-[(4-cyano-3-methyl-1-

oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-methoxybenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

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CRN 704887-75-2

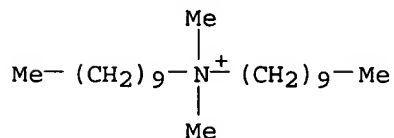
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CM 2

CRN 20256-56-8

CMF C22 H48 N



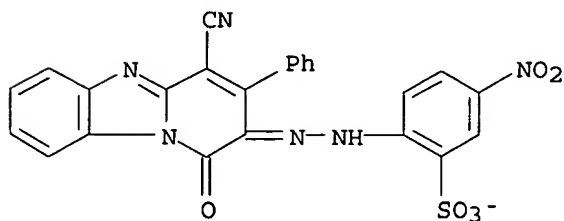
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CN 1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 2-[(4-cyano-1-oxo-3-phenylpyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-nitrobenzenesulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-77-4

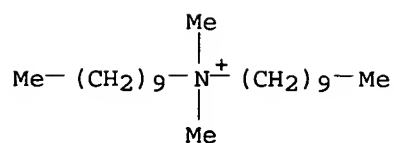
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CM 2

CRN 20256-56-8

CMF C22 H48 N



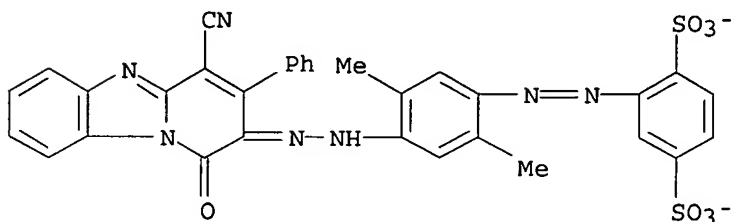
RN 704887-80-9 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[[4-[(4-cyano-1-oxo-3-phenylpyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-2,5-dimethylphenyl]azo]-1,4-benzenedisulfonic acid (2:1) (9CI) (CA INDEX NAME)

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CRN 704887-79-6

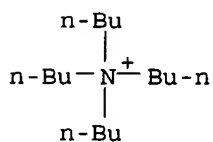
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CM 2

CRN 10549-76-5

CMF C16 H36 N



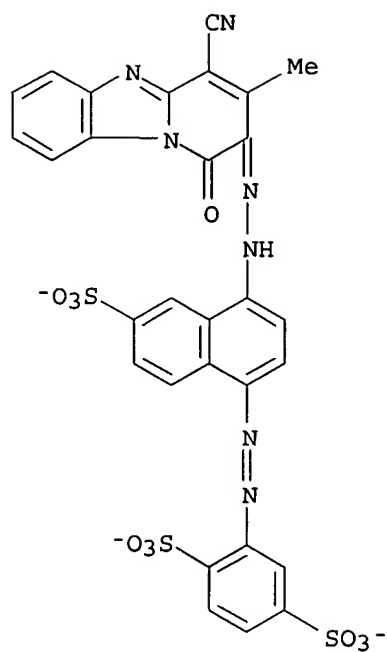
RN 704887-82-1 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[[4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-6-sulfo-1-naphthalenyl]azo]-1,4-benzenedisulfonic acid (3:1) (9CI) (CA INDEX NAME)

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CRN 704887-81-0

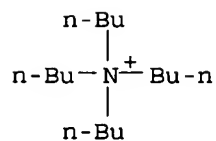
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CRN 10549-76-5

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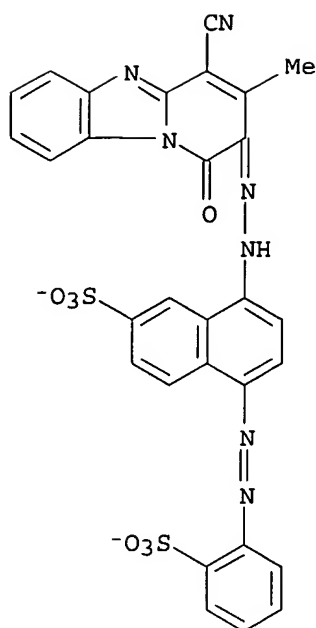
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CN 1-Butanaminium, N,N,N-tributyl-, salt with 8-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(2-sulfophenyl)azo]-2-naphthalenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

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CRN 704887-83-2

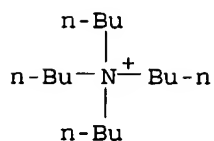
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CM 2

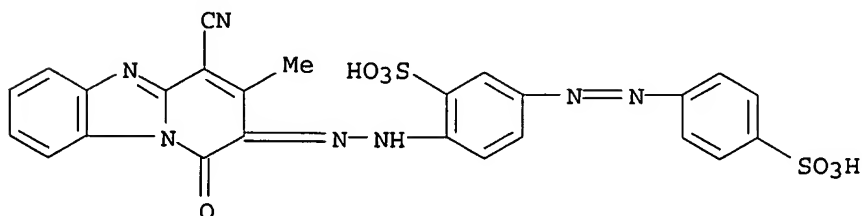
CRN 10549-76-5

CMF C16 H36 N



RN 704887-85-4 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]- (9CI) (CA INDEX NAME)

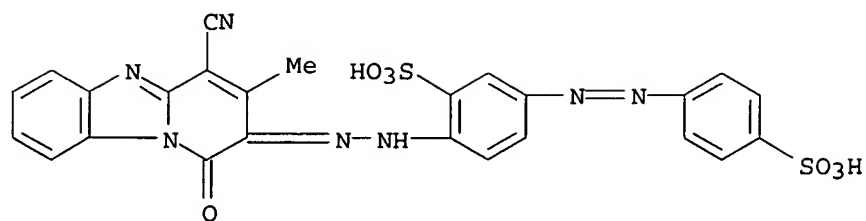


RN 704887-86-5 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, compd. with 1,3,4,6,7,8-hexahydro-2H-pyrimido[1,2-a]pyrimidine (1:2) (9CI) (CA INDEX NAME)

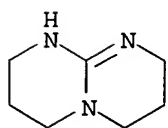
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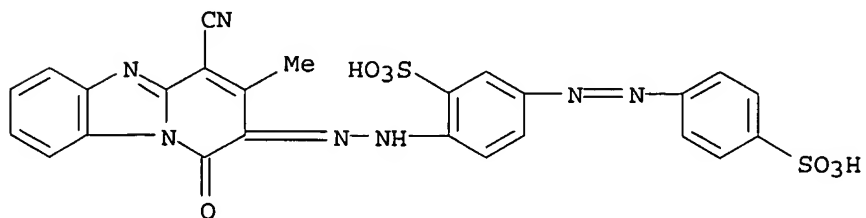
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RN 704887-87-6 CAPLUS
CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfonylphenyl)azo]-, compd. with
N,N'-diphenylguanidine (1:2) (9CI) (CA INDEX NAME)

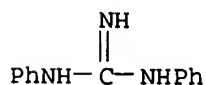
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CM 2

CRN 102-06-7
CMF C13 H13 N3



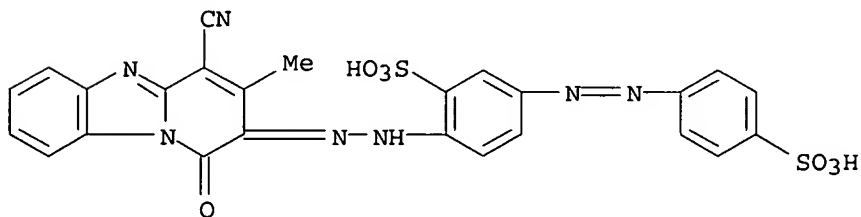
RN 704887-88-7 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, compd. with N'-(1,1-dimethylethyl)-N,N,N',N'-tetramethylguanidine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-85-4

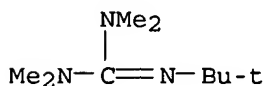
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CM 2

CRN 29166-72-1

CMF C9 H21 N3



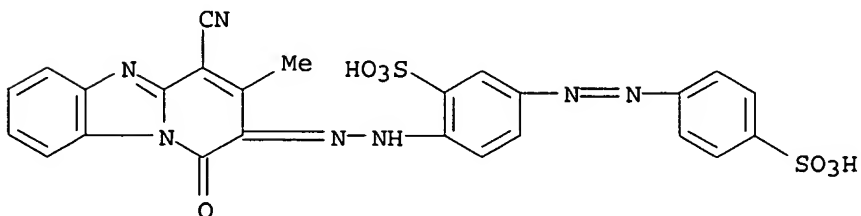
RN 704887-89-8 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, compd. with 2-ethyl-N-(2-ethylhexyl)-1-hexanamine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-85-4

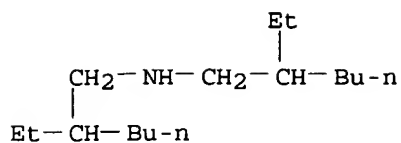
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CM 2

CRN 106-20-7

CMF C16 H35 N



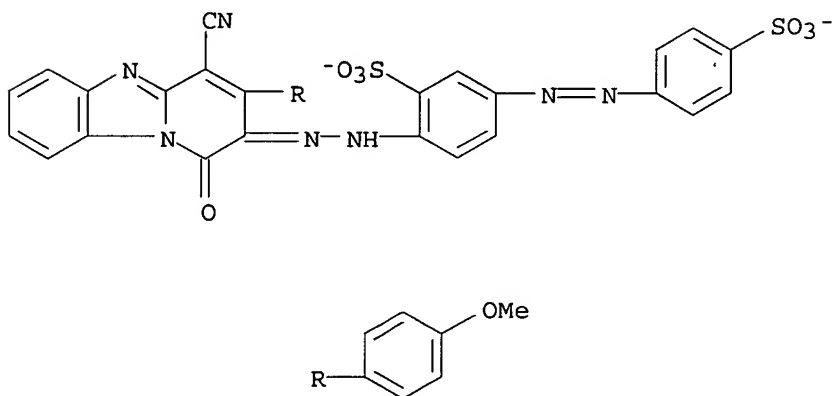
RN 704887-91-2 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[[4-cyano-3-(4-methoxyphenyl)-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-5-[(4-sulfophenyl)azo]benzenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

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CRN 704887-90-1

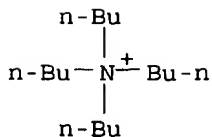
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CM 2

CRN 10549-76-5

CMF C16 H36 N



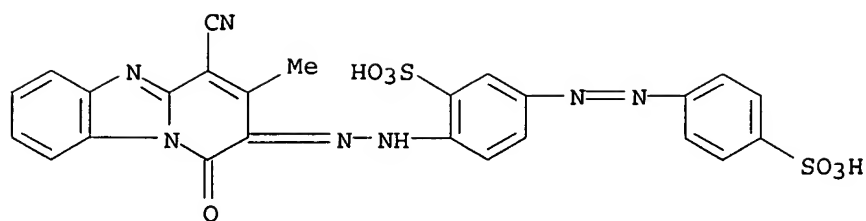
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CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, compd. with N,N,N',N'-tetramethylguanidine (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-85-4

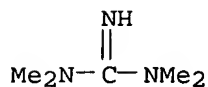
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CM 2

CRN 80-70-6

CMF C5 H13 N3



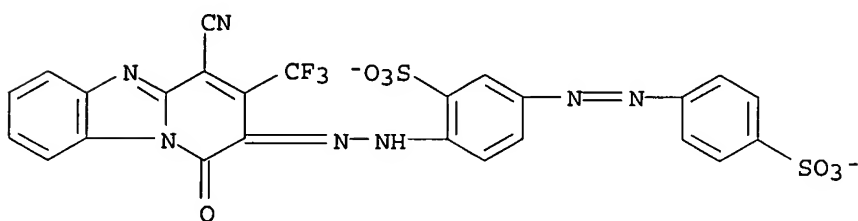
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CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[[4-cyano-1-oxo-3-(trifluoromethyl)pyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-5-[(4-sulfophenyl)azo]benzenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-93-4

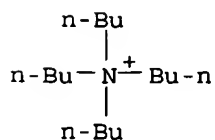
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CM 2

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CMF C16 H36 N



RN 704887-96-7 CAPLUS

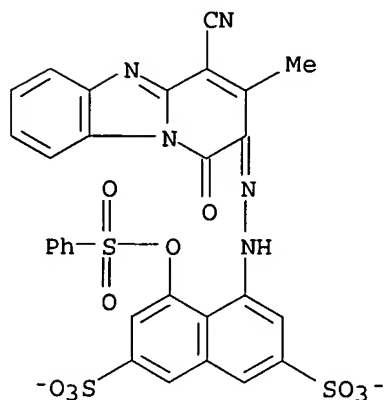
CN 1-Butanaminium, N,N,N-tributyl-, salt with 4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(phenylsulfonyl)oxy]-2,7-naphthalenedisulfonic acid (2:1) (9CI) (CA

INDEX NAME)

CM 1

CRN 704887-95-6

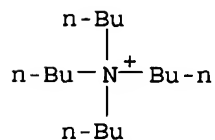
CMF C29 H17 N5 O10 S3



CM 2

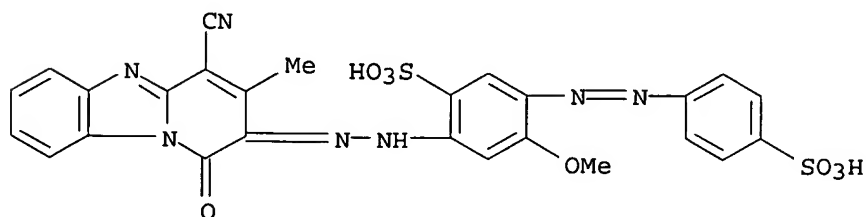
CRN 10549-76-5

CMF C16 H36 N



RN 704887-97-8 CAPLUS

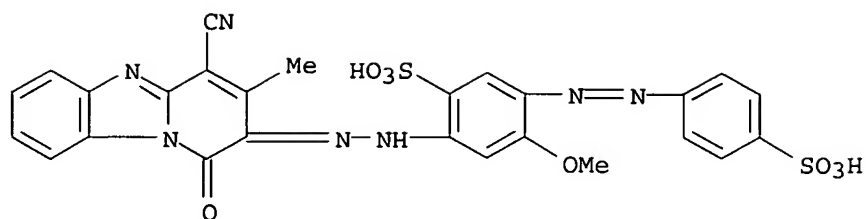
CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-4-methoxy-5-[(4-sulfohenyl)azo]-, disodium salt (9CI) (CA INDEX NAME)



● 2 Na

RN 704887-98-9 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-4-methoxy-5-[(4-sulfohenyl)azo]-, potassium sodium salt (9CI) (CA INDEX NAME)

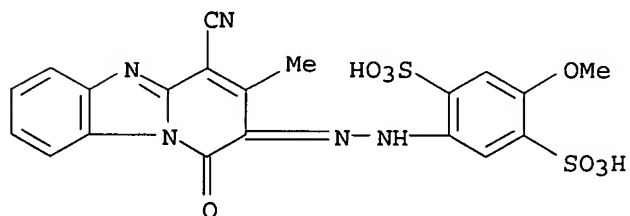


●x K

●x Na

RN 704887-99-0 CAPLUS

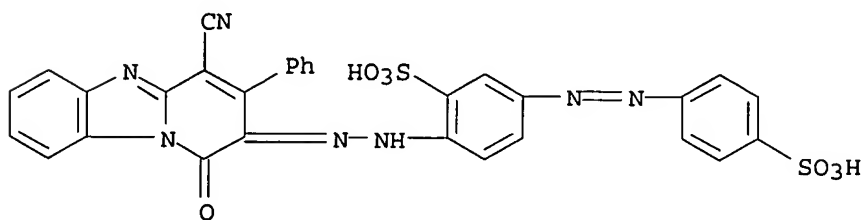
CN 1,4-Benzenedisulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-methoxy-, disodium salt (9CI)
(CA INDEX NAME)



●2 Na

RN 704888-00-6 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-1-oxo-3-phenylpyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, disodium salt (9CI) (CA INDEX NAME)

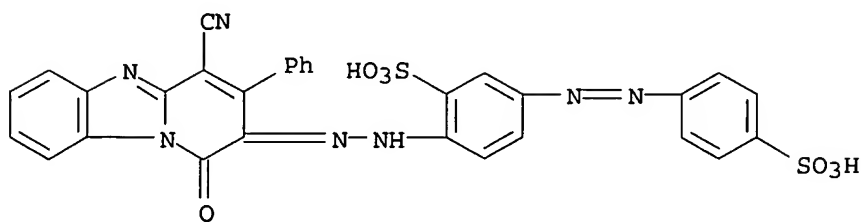


●2 Na

RN 704888-01-7 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-1-oxo-3-phenylpyrido[1,2-a]benzimidazol-

2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, potassium sodium salt
(9CI) (CA INDEX NAME)

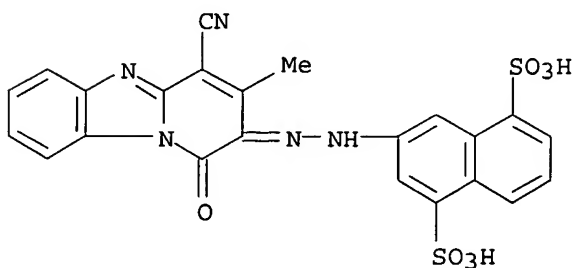


●x K

●x Na

RN 704888-02-8 CAPLUS

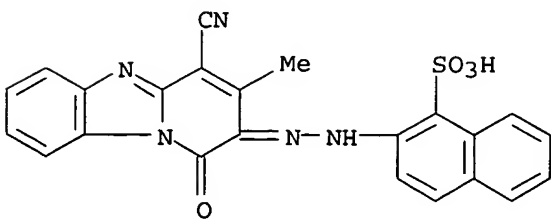
CN 1,5-Naphthalenedisulfonic acid, 3-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-, disodium salt (9CI) (CA INDEX NAME)



●2 Na

RN 704888-03-9 CAPLUS

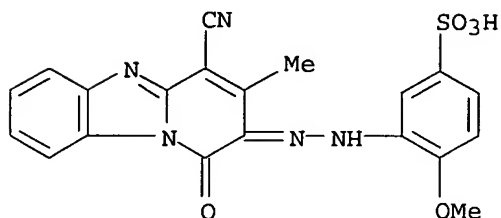
CN 1-Naphthalenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 704888-04-0 CAPLUS

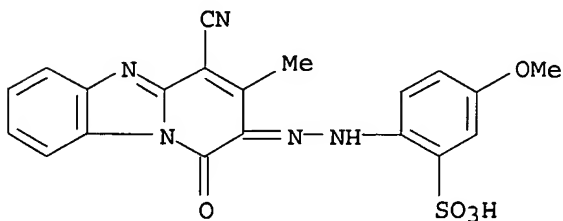
CN Benzenesulfonic acid, 3-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-4-methoxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 704888-05-1 CAPLUS

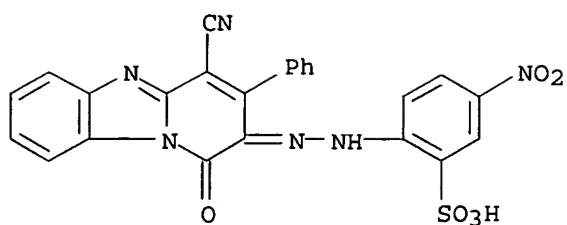
CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-methoxy-, monosodium salt (9CI) (CA INDEX NAME)



● Na

RN 704888-07-3 CAPLUS

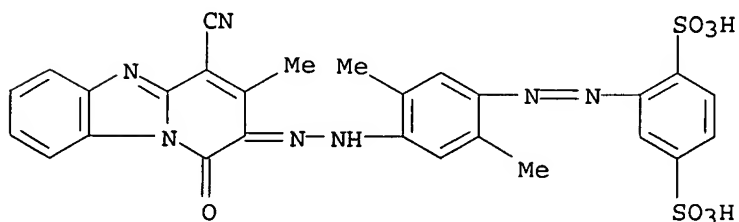
CN Benzenesulfonic acid, 2-[(4-cyano-1-oxo-3-phenylpyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-nitro-, potassium sodium salt (9CI) (CA INDEX NAME)



●x K

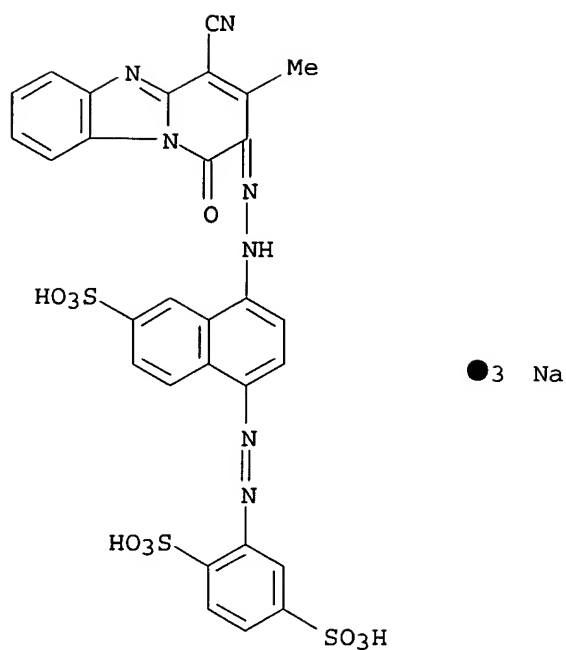
●x Na

RN 704888-08-4 CAPLUS
 CN 1,4-Benzenedisulfonic acid, 2-[[4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-2,5-dimethylphenyl]azo]-, disodium salt (9CI) (CA INDEX NAME)



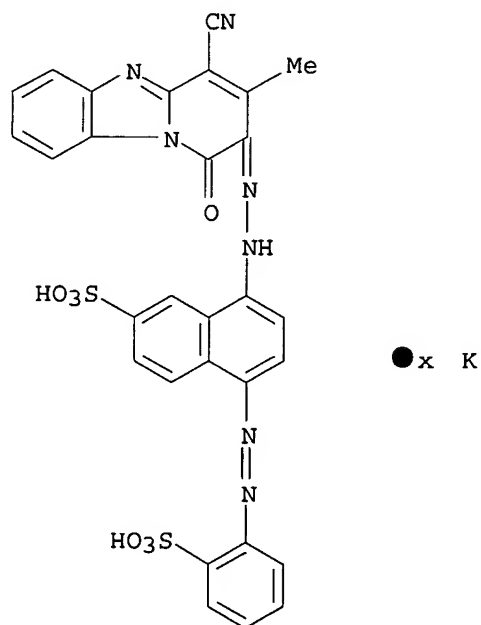
●2 Na

RN 704888-09-5 CAPLUS
 CN 1,4-Benzenedisulfonic acid, 2-[[4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-6-sulfo-1-naphthalenyl]azo]-, trisodium salt (9CI) (CA INDEX NAME)



RN 704888-10-8 CAPLUS
 CN 2-Naphthalenesulfonic acid, 8-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(2-sulfo-phenyl)azo]-, potassium sodium salt (9CI) (CA INDEX NAME)

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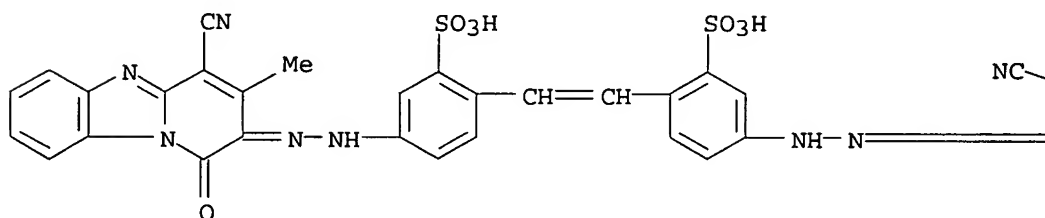
PAGE 2-A

●x Na

RN 704888-12-0 CAPLUS

CN Benzenesulfonic acid, 5-[(3-cyano-4-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-2-[2-[4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-2-sulphophenyl]ethenyl]-, potassium sodium salt (9CI) (CA INDEX NAME)

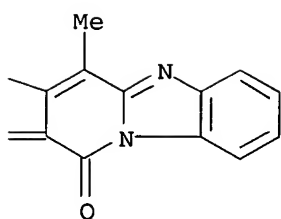
PAGE 1-A



●x K

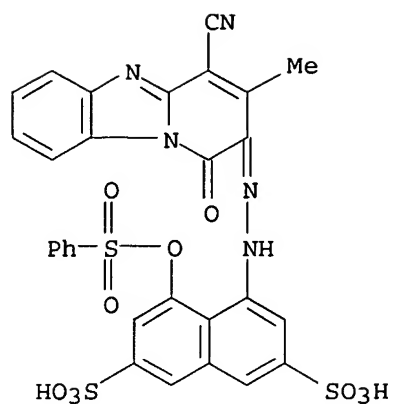
●x Na

PAGE 1-B



RN 704888-13-1 CAPLUS

CN 2,7-Naphthalenedisulfonic acid, 4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(phenylsulfonyl)oxy]-, potassium sodium salt (9CI) (CA INDEX NAME)



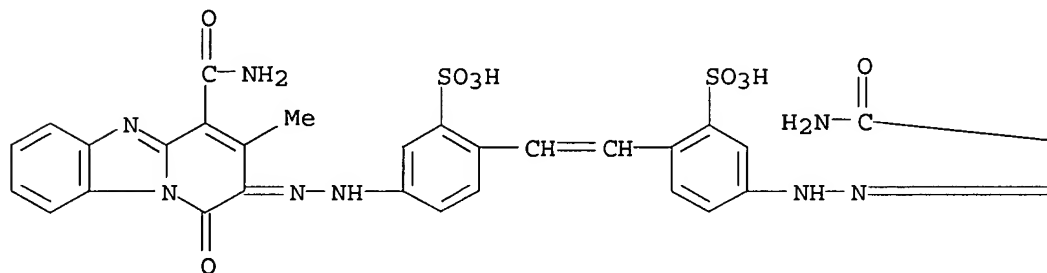
●x Na

●x K

RN 704888-14-2 CAPLUS

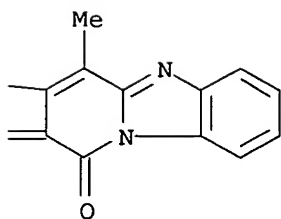
CN Benzenesulfonic acid, 5-[[3-(aminocarbonyl)-4-methyl-1-oxypyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-2-[2-[4-[[4-(aminocarbonyl)-3-methyl-1-oxypyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-2-sulfophenyl]ethenyl]-, disodium salt (9CI) (CA INDEX NAME)

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●2 Na

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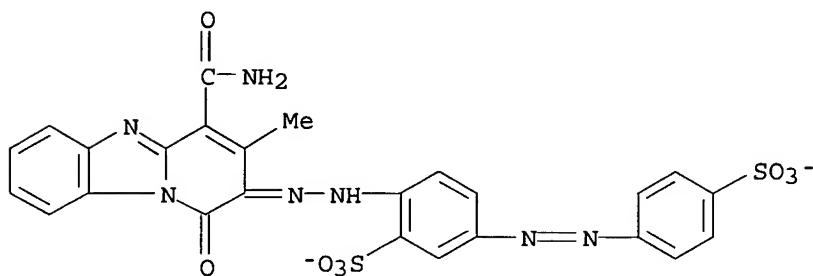
RN 704888-16-4 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[[4-(aminocarbonyl)-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-5-[(4-sulfophenyl)azo]benzenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704888-15-3

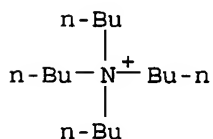
CMF C25 H17 N7 O8 S2



CM 2

CRN 10549-76-5

CMF C16 H36 N



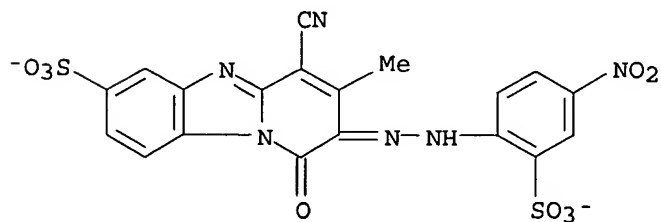
RN 704888-18-6 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 4-cyano-1,2-dihydro-3-methyl-2-[(4-nitro-2-sulfophenyl)hydrazono]-1-oxopyrido[1,2-a]benzimidazole-7-sulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704888-17-5

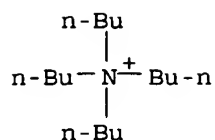
CMF C19 H10 N6 O9 S2



CM 2

CRN 10549-76-5

CMF C16 H36 N



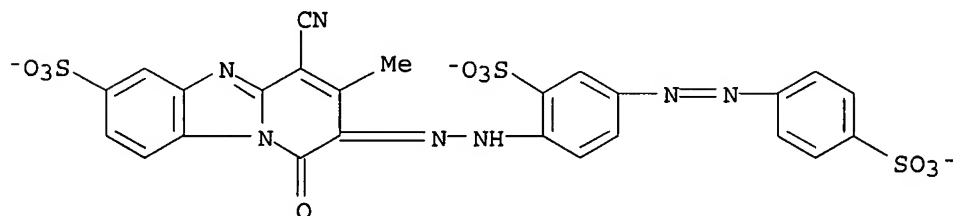
RN 704888-20-0 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 4-cyano-1,2-dihydro-3-methyl-1-oxo-2-[[2-sulfo-4-[(4-sulfophenyl)azo]phenyl]hydrazono]pyrido[1,2-a]benzimidazole-7-sulfonic acid (3:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704888-19-7

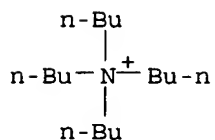
CMF C25 H14 N7 O10 S3



CM 2

CRN 10549-76-5

CMF C16 H36 N



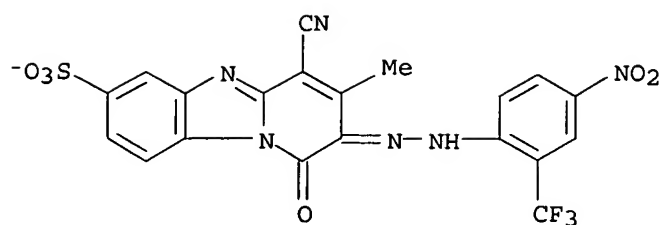
RN 704888-22-2 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 4-cyano-1,2-dihydro-3-methyl-2-[[4-nitro-2-(trifluoromethyl)phenyl]hydrazono]-1-oxopyrido[1,2-a]benzimidazole-7-sulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704888-21-1

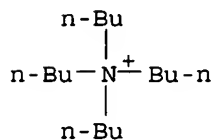
CMF C20 H10 F3 N6 O6 S



CM 2

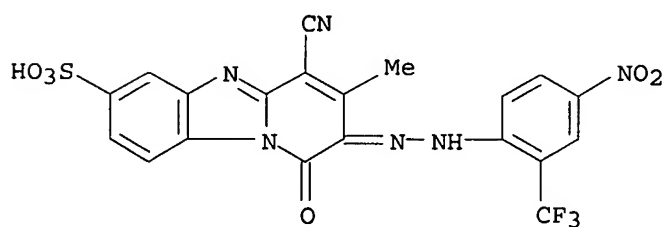
CRN 10549-76-5

CMF C16 H36 N



RN 704888-23-3 CAPLUS

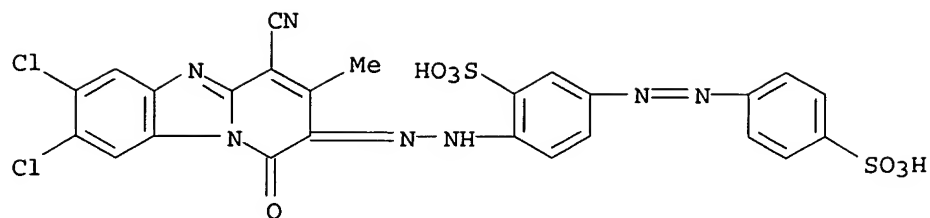
CN Pyrido[1,2-a]benzimidazole-7-sulfonic acid, 4-cyano-1,2-dihydro-3-methyl-2-[[4-nitro-2-(trifluoromethyl)phenyl]hydrazono]-1-oxo-, monopotassium salt (9CI) (CA INDEX NAME)



● K

RN 704888-24-4 CAPLUS

CN Benzenesulfonic acid, 2-[(7,8-dichloro-4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, disodium salt (9CI) (CA INDEX NAME)



● 2 Na

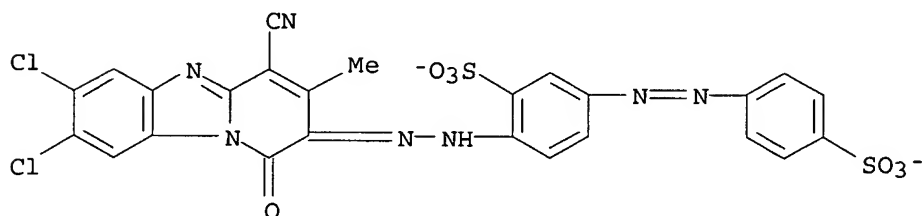
RN 704888-26-6 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[(7,8-dichloro-4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]benzenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704888-25-5

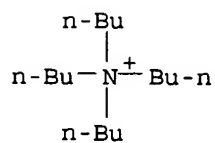
CMF C25 H13 Cl2 N7 O7 S2



CM 2

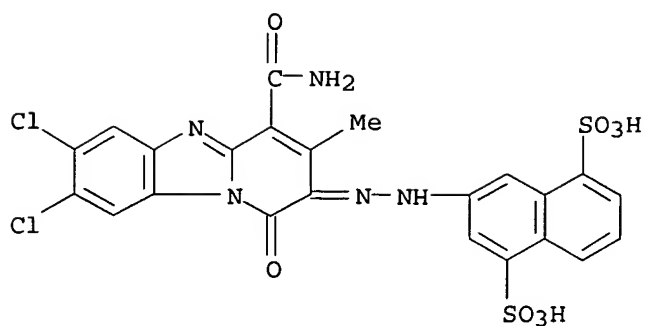
CRN 10549-76-5

CMF C16 H36 N



RN 704888-27-7 CAPLUS

CN 1,5-Naphthalenedisulfonic acid, 3-[[4-(aminocarbonyl)-7,8-dichloro-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-, disodium salt (9CI) (CA INDEX NAME)



● 2 Na

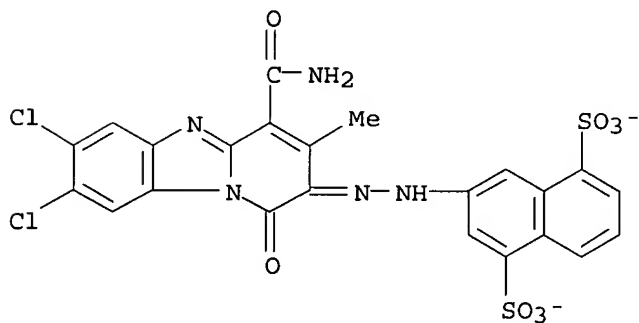
RN 704888-29-9 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 3-[[4-(aminocarbonyl)-7,8-dichloro-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-1,5-naphthalenedisulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704888-28-8

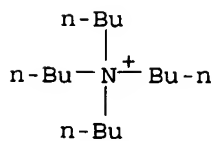
CMF C23 H13 Cl2 N5 O8 S2



CM 2

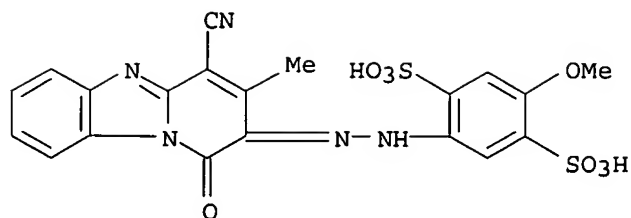
CRN 10549-76-5

CMF C16 H36 N



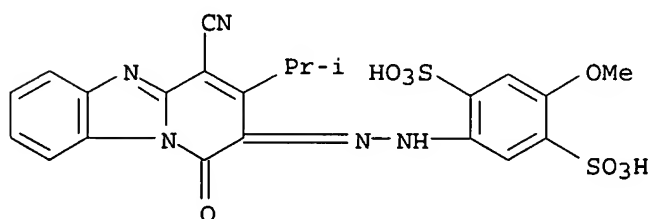
RN 704916-76-7 CAPLUS

CN 1,4-Benzenedisulfonic acid, 2-[[4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-5-methoxy- (9CI) (CA INDEX NAME)



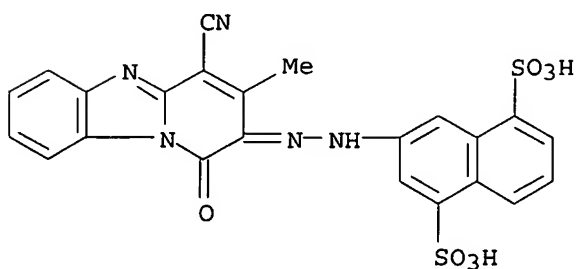
RN 704916-77-8 CAPLUS

CN 1,4-Benzenedisulfonic acid, 2-[[4-cyano-3-(1-methylethyl)-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-5-methoxy- (9CI) (CA INDEX NAME)



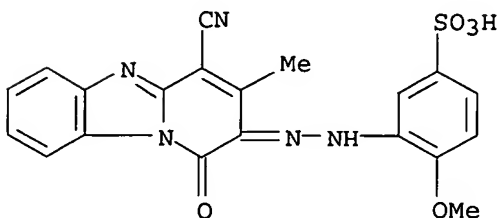
RN 704916-78-9 CAPLUS

CN 1,5-Naphthalenedisulfonic acid, 3-[[4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]- (9CI) (CA INDEX NAME)



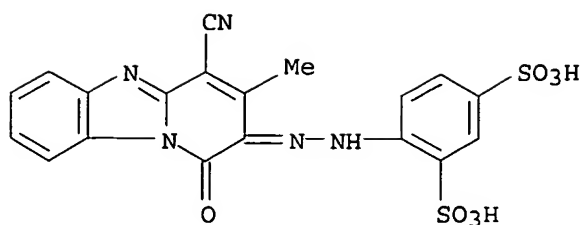
RN 704916-79-0 CAPLUS

CN Benzenesulfonic acid, 3-[[4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-4-methoxy- (9CI) (CA INDEX NAME)



RN 704916-80-3 CAPLUS

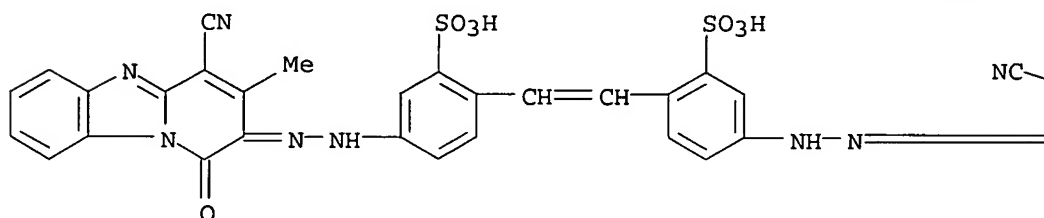
CN 1,3-Benzenedisulfonic acid, 4-[[4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]- (9CI) (CA INDEX NAME)



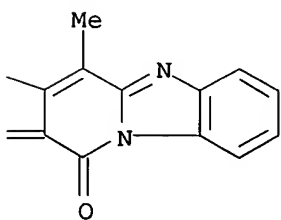
RN 704916-81-4 CAPLUS

CN Benzenesulfonic acid, 5-[(3-cyano-4-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-2-[2-[4-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-2-sulfophenyl]ethenyl]- (9CI) (CA INDEX NAME)

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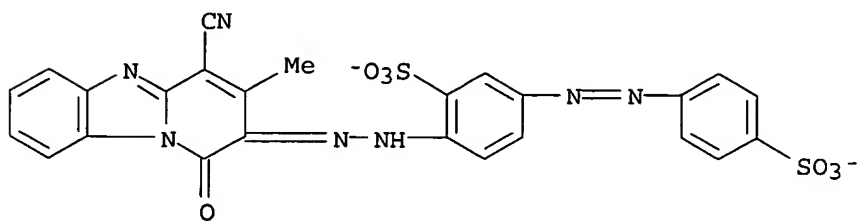
RN 704916-82-5 CAPLUS

CN Sodium(1+), (1,4,7,10,13,16-hexaoxacyclooctadecane-κO1,κO4,κO7,κO10,κO13,κO16)-, (OC-6-11)-, salt with 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]benzenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-60-5

CMF C25 H15 N7 O7 S2

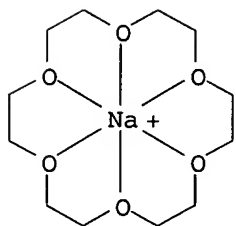


CM 2

CRN 31270-12-9

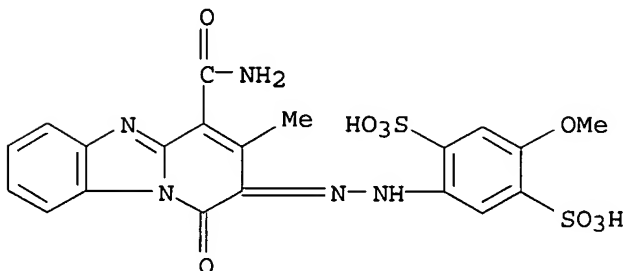
CMF C12 H24 Na O6

CCI CCS



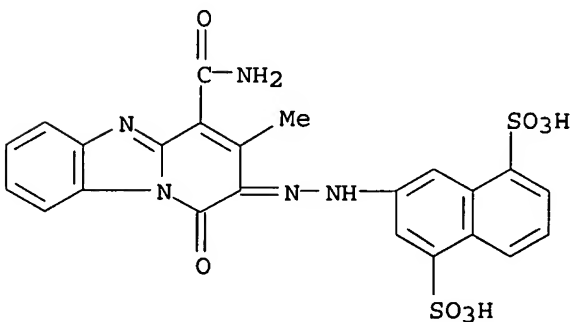
RN 704916-83-6 CAPLUS

CN 1,4-Benzenedisulfonic acid, 2-[[4-(aminocarbonyl)-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]-5-methoxy- (9CI) (CA INDEX NAME)



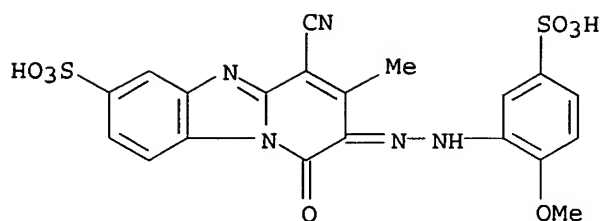
RN 704916-84-7 CAPLUS

CN 1,5-Naphthalenedisulfonic acid, 3-[[4-(aminocarbonyl)-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene]hydrazino]- (9CI) (CA INDEX NAME)



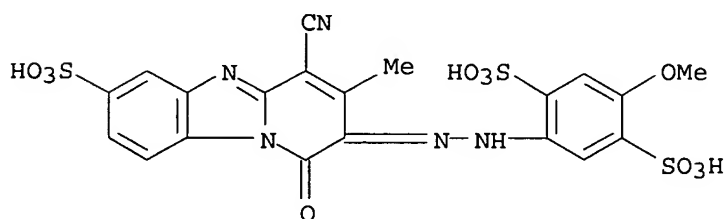
RN 704916-85-8 CAPLUS

CN Pyrido[1,2-a]benzimidazole-7-sulfonic acid, 4-cyano-1,2-dihydro-2-[(2-methoxy-5-sulfophenyl)hydrazono]-3-methyl-1-oxo- (9CI) (CA INDEX NAME)



RN 704916-86-9 CAPLUS

CN 1,4-Benzenedisulfonic acid, 2-[(4-cyano-3-methyl-1-oxo-7-sulfopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-methoxy- (9CI) (CA INDEX NAME)



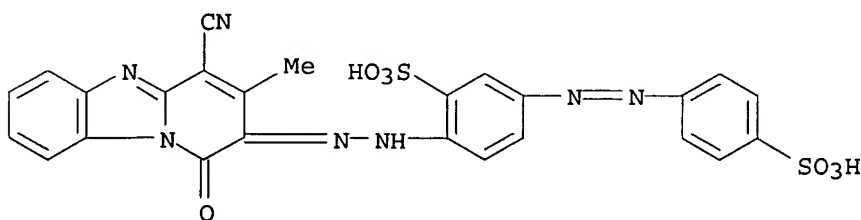
IT 704887-58-1P

RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(preparation of benzimidazole-pyridone-based azo dyes soluble in organic solvents)

RN 704887-58-1 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, disodium salt (9CI) (CA INDEX NAME)



● 2 Na

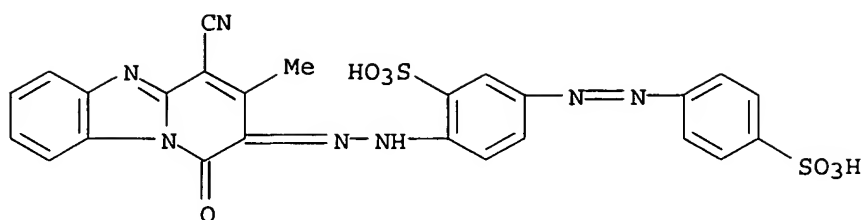
IT 704887-59-2P

RL: IMF (Industrial manufacture); RCT (Reactant); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of benzimidazole-pyridone-based azo dyes soluble in organic solvents)

RN 704887-59-2 CAPLUS

CN Benzenesulfonic acid, 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulfophenyl)azo]-, potassium sodium salt (9CI) (CA INDEX NAME)



●x K

●x Na

IT 704887-61-6P 704887-64-9P

RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(preparation of benzimidazole-pyridone-based azo dyes soluble in organic solvents)

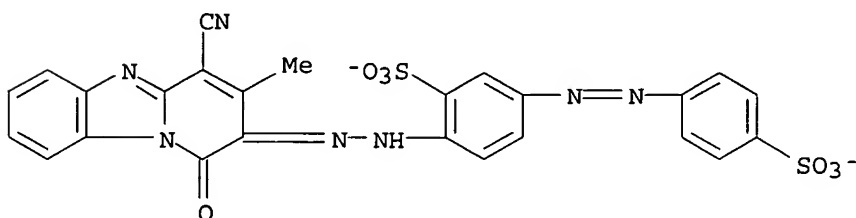
RN 704887-61-6 CAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, salt with 2-[(4-cyano-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2(1H)-ylidene)hydrazino]-5-[(4-sulphophenyl)azo]benzenesulfonic acid (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-60-5

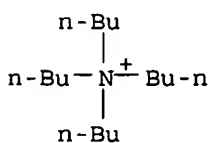
CMF C25 H15 N7 O7 S2



CM 2

CRN 10549-76-5

CMF C16 H36 N



RN 704887-64-9 CAPLUS

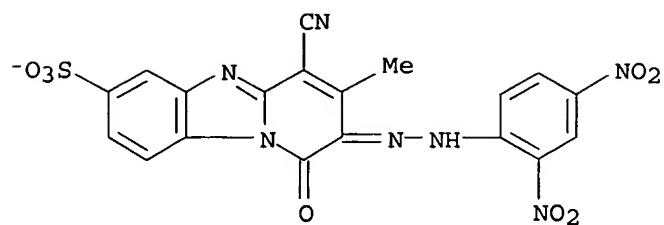
CN 1-Butanaminium, N,N,N-tributyl-, salt with 4-cyano-2-[(2,4-dinitrophenyl)hydrazono]-1,2-dihydro-3-methyl-1-oxopyrido[1,2-

a]benzimidazole-7-sulfonic acid (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 704887-63-8

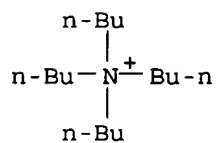
CMF C19 H10 N7 O8 S



CM 2

CRN 10549-76-5

CMF C16 H36 N



L4 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2003:634002 CAPLUS
 DN 139:181533
 TI Colored aluminum oxide layers and their production
 IN Schacht, Hans-thomas; Moegle, Gilbert; Bauer, Didier; Feiler, Leonhard;
 Wallquist, Olof; Mueller, Martin
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 41 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003066938	A2	20030814	WO 2003-EP817	20030128
	WO 2003066938	A3	20040729		
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	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,				
	UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,				
	FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF,				
	BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003205687	A1	20030902	AU 2003-205687	20030128
	EP 1501965	A2	20050202	EP 2003-702541	20030128
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				
	IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2005517090	T2	20050609	JP 2003-566277	20030128
	US 2005155162	A1	20050721	US 2003-503152	20030128
PRAI	EP 2002-405083	A	20020206		
	EP 2002-405237	A	20020326		
	WO 2003-EP817	W	20030128		

OS MARPAT 139:181533

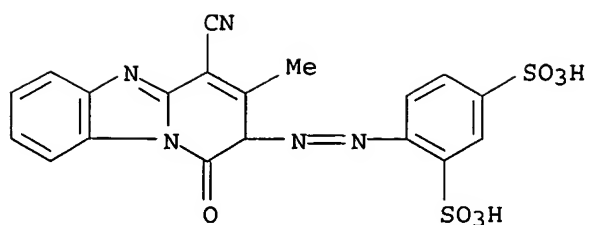
AB The present invention relates to a process for producing colored oxide layers on aluminum or on aluminum alloys by dyeing in an aqueous dye bath, rinsing with water, and sealing. Employed is at least one dye [X1O3S]mA[SO2N(X2)]nB (m, n = 1-4; m + n = ≤8; A = chromophore; B = H, organic. group; X1, X2 = H, cation). The dyeings obtainable according to the process of the invention have surprisingly high light-fastness properties. In an example, disodium 4,4'-diamino-1,1'-bisanthraquinone-3,3'-disulfonate was heated with ethanolamine to provide a dark red ethanolammonium dye. The dye was used on anodically oxidized pure Al sheet.

IT 578727-18-1D, Primene 81R salts 578727-19-2
 578727-20-5

RL: TEM (Technical or engineered material use); USES (Uses)
 (dye; dyes for colored anodized aluminum oxide layers)

RN 578727-18-1 CAPLUS

CN 1,3-Benzenedisulfonic acid, 4-[(4-cyano-1,2-dihydro-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2-yl)azo]- (9CI) (CA INDEX NAME)



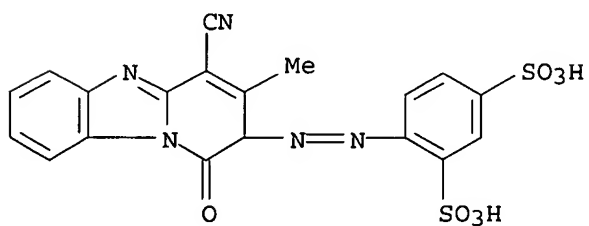
RN 578727-19-2 CAPLUS

CN 1,3-Benzenedisulfonic acid, 4-[(4-cyano-1,2-dihydro-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2-yl)azo]-, compd. with 2-aminoethanol (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 578727-18-1

CMF C19 H13 N5 O7 S2



CM 2

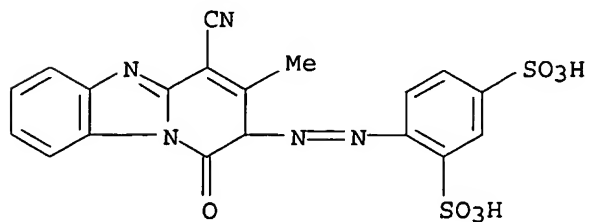
CRN 141-43-5

CMF C2 H7 N O

H₂N-CH₂-CH₂-OH

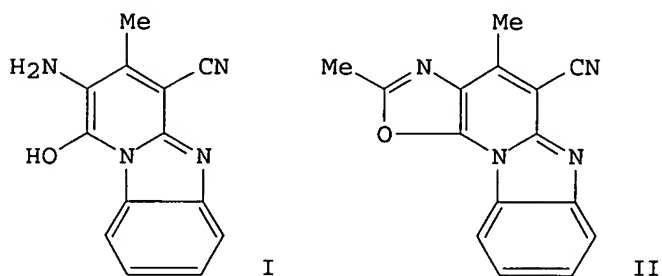
RN 578727-20-5 CAPLUS

CN 1,3-Benzenedisulfonic acid, 4-[(4-cyano-1,2-dihydro-3-methyl-1-oxopyrido[1,2-a]benzimidazol-2-yl)azo]-, diammonium salt (9CI) (CA INDEX NAME)



● 2 NH₃

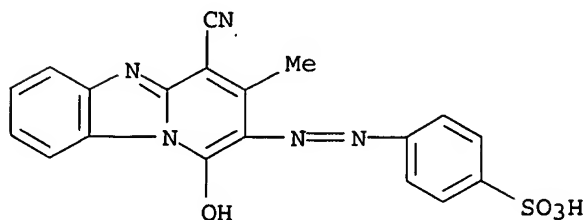
L4 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 1986:574390 CAPLUS
 DN 105:174390
 TI Synthesis of oxazolo[4',5':5,6]pyrido[1,2-a]benzimidazole derivatives and study of their fluorescent properties
 AU Rangnekar, D. W.; Rajadhyaksha, D. D.
 CS Dep. Chem. Technol., Univ. Bombay, Bombay, 400 019, India
 SO Dyes and Pigments (1986), 7(5), 365-72
 CODEN: DYPIDX; ISSN: 0143-7208
 DT Journal
 LA English
 GI



AB 2-Amino-3-methyl-1-hydroxypyrido[1,2-a]benzimidazole-4-carbonitrile (I) [104751-37-3], the key compound in the synthesis of oxazolo[4',5':5,6]pyrido[1,2-a]benzimidazole derivs., was prepared by reduction of the azo dye [104751-30-6] obtained from phenyldiazonium-4-sulfonic acid salt [305-80-6], coupled with 3-methyl-1-hydroxypyrido[1,2-a]benzimidazole-4-carbonitrile [34940-35-7]. The condensation of I with Ac2O yielded 2,4-dimethyloxazolo[4',5':5,6]pyrido[1,2-a]benzimidazole-5-carbonitrile (II) [104751-38-4] and condensation of I with EtOBz [93-89-0] and Et 4-methoxybenzoate [94-30-4] in polyphosphoric acid afforded the corresponding 2-phenyl- [104751-28-2] and 2-(p-methoxyphenyl)-4-methyloxazolo[4',5':5,6]pyrido[1,2-a]benzimidazole-5-carbonitrile [104751-29-3]. Similar condensations were conducted using fumaric acid [110-17-8] and di-Et terephthalate [636-09-9]. Some of the compds. were evaluated as fluorescent brighteners for polyester fibers.

IT 104751-30-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and reduction of)

RN 104751-30-6 CAPLUS
 CN Benzenesulfonic acid, 4-[(4-cyano-1-hydroxy-3-methylpyrido[1,2-a]benzimidazol-2-yl)azo]- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1971:530767 CAPLUS

DN 75:130767

TI Water-soluble azo dyes for nylon 6

IN Lamm, Gunther; Dehnert, Johannes

PA Badische Anilin- & Soda-Fabrik AG

SO Ger. Offen., 34 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	DE 2004488	A	19710805	DE 1970-2004488	19700131
PRAI	DE 1970-2004488		19700131		

GI For diagram(s), see printed CA Issue.

AB Water-soluble dyes of general formula I (R = aromatic or heterocyclic group; R₁ = Me, Ph; X = CN, CONH₂), dyeing nylon 5 red shades, were prepared by coupling di- or tetrazotized R(NH₂)₁₋₂ with 1-hydroxypyrido[1,2-α]benzimidazoles. Thus, diazotized 2-nitro-4-chloroaniline was coupled with II to give Na 2-(4-chloro-2-nitrophenylazo)-1-hydroxy-3-methyl-4-carbamoylpyrido[1,2-α]benzimidazolesulfonate. Similarly prepared were 4 other I.

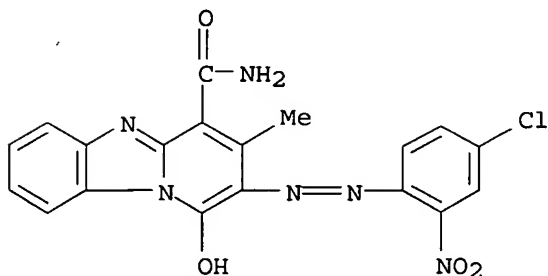
IT 32826-22-5P 34109-20-1P 34109-21-2P

34150-50-0P 34150-51-1P 34205-79-3P

RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of)

RN 32826-22-5 CAPLUS

CN Pyrido[1,2-a]benzimidazolesulfonic acid, 4-carbamoyl-2-[(4-chloro-2-nitrophenyl)azo]-1-hydroxy-3-methyl-, monosodium salt (8CI) (CA INDEX NAME)

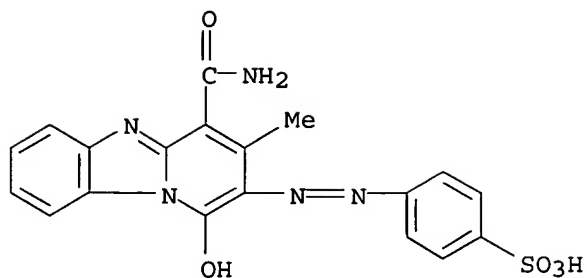


D1-SO₃H

● Na

RN 34109-20-1 CAPLUS

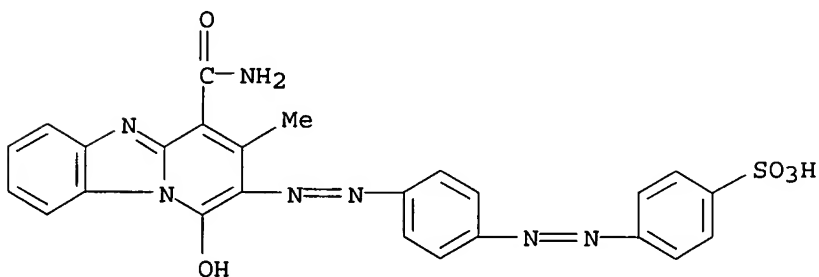
CN Benzenesulfonic acid, p-[(4-carbamoyl-1-hydroxy-3-methylpyrido[1,2-a]benzimidazol-2-yl)azo]-, monosodium salt (8CI) (CA INDEX NAME)



● Na

RN 34109-21-2 CAPLUS

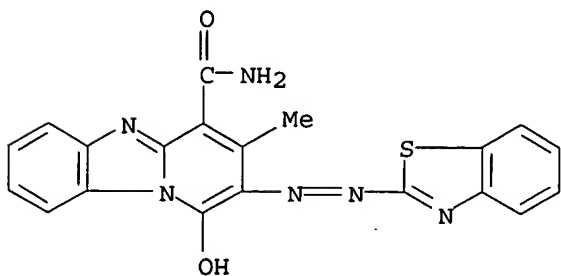
CN Benzenesulfonic acid, p-[[p-[(4-carbamoyl-1-hydroxy-3-methylpyrido[1,2-a]benzimidazol-2-yl)azo]phenyl]azo]-, monosodium salt (8CI) (CA INDEX NAME)



● Na

RN 34150-50-0 CAPLUS

CN Pyrido[1,2-a]benzimidazolesulfonic acid, 2-(2-benzothiazolylazo)-4-carbamoyl-1-hydroxy-3-methyl-, monosodium salt (8CI) (CA INDEX NAME)

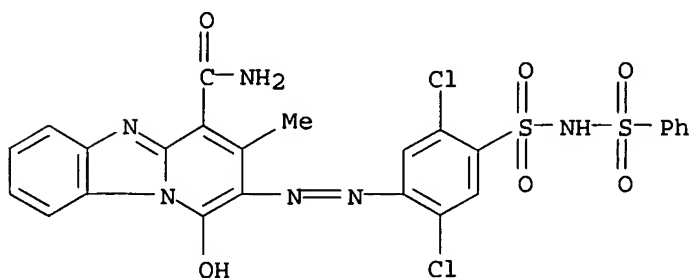


D1-SO₃H

● Na

RN 34150-51-1 CAPLUS

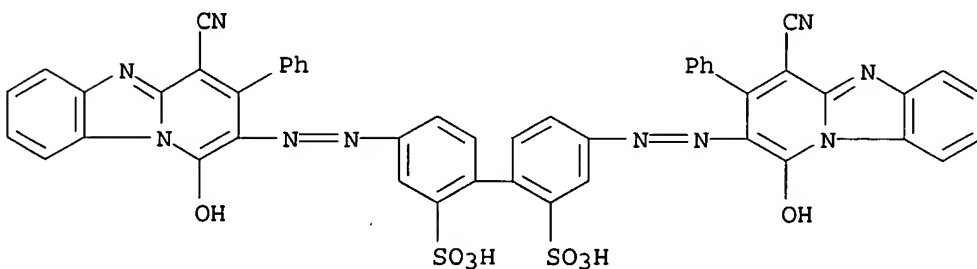
CN Pyrido[1,2-a]benzimidazolesulfonic acid, 4-carbamoyl-2-[[2,5-dichloro-4-
[(phenylsulfonyl)sulfamoyl]phenyl]azo]-1-hydroxy-3-methyl-, monosodium
salt (8CI) (CA INDEX NAME)

D1-SO₃H

● Na

RN 34205-79-3 CAPLUS

CN 2,2'-Biphenyldisulfonic acid, 4,4'-bis[(4-cyano-1-hydroxy-3-
phenylpyrido[1,2-a]benzimidazol-2-yl)azo]-, disodium salt (8CI) (CA INDEX
NAME)



● 2 Na

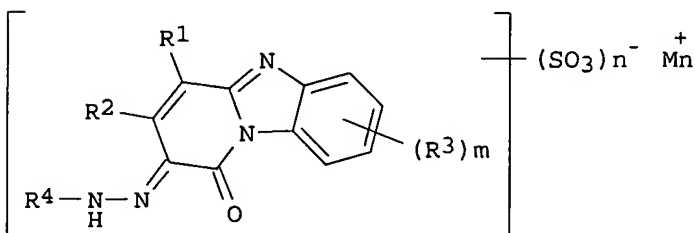
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L7	16	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	"EICHENBERGER THOMAS"/AU
L8	2	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	"HUGIN MAX"/AU
L9	31	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L5 OR L6 OR L7 OR L8
L10	4	SEA	FILE=CAPLUS	ABB=ON	PLU=ON	L9 AND AZO

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L10 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN
 AN 2004:493793 CAPLUS
 DN 141:55761
 TI Benzimidazole-pyridone-based azo dyes soluble in organic solvents
 IN Feiler, Leonhard; Raimann, Thomas; Eichenberger, Thomas; Huegin, Max
 PA Ciba Specialty Chemicals Holding Inc., Switz.
 SO PCT Int. Appl., 31 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004050768	A2	20040617	WO 2003-EP50898	20031126
	WO 2004050768	A3	20040812		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	CA 2505613	AA	20040617	CA 2003-2505613	20031126
	AU 2003298325	A1	20040623	AU 2003-298325	20031126
	EP 1570004	A2	20050907	EP 2003-796059	20031126
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	BR 2003016989	A	20051025	BR 2003-16989	20031126
	CN 1720298	A	20060111	CN 2003-80105071	20031126
	JP 2006509068	T2	20060316	JP 2004-556335	20031126
	US 2006053571	A1	20060316	US 2005-537063	20050601
PRAI	CH 2002-2058	A	20021205		
	WO 2003-EP50898	W	20031126		
OS	MARPAT 141:55761				
GI					



I

AB The azo dyes I (R1 = -CN, -COOR5, -CONR6R7, heterocyclic ring; R2 = (un)substituted alkyl, (un)substituted aryl, -CF3, -COOR5, -CONR6R7, -COR5; R3 = H, -SO3M, alkyl, alkoxy, alkylcarbonyl, -NO2, halogen; R4 = substituted aryl, substituted heteroaryl, aryl-N:N-aryl radical, heteroaryl-N:N-heteroaryl radical; R5 = H, alkyl, (un)substituted aryl; R6, R7 = H, alkyl, (un)substituted aryl; M+ = cation; m, n = 1, 2 or 3) are soluble in organic solvents and useful in production of colored plastics or polymeric color particles, and as printing inks, printing dyes, coating compns. and wood stains.

L10 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:634002 CAPLUS

DN 139:181533

TI Colored aluminum oxide layers and their production

IN Schacht, Hans-thomas; Moegle, Gilbert; Bauer, Didier; Feiler, Leonhard; Wallquist, Olof; Mueller, Martin

PA Ciba Specialty Chemicals Holding Inc., Switz.

SO PCT Int. Appl., 41 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003066938	A2	20030814	WO 2003-EP817	20030128
	WO 2003066938	A3	20040729		
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	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003205687	A1	20030902	AU 2003-205687	20030128
	EP 1501965	A2	20050202	EP 2003-702541	20030128
	R:				
	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	JP 2005517090	T2	20050609	JP 2003-566277	20030128
	US 2005155162	A1	20050721	US 2003-503152	20030128
PRAI	EP 2002-405083	A	20020206		
	EP 2002-405237	A	20020326		
	WO 2003-EP817	W	20030128		

OS MARPAT 139:181533

AB The present invention relates to a process for producing colored oxide layers on aluminum or on aluminum alloys by dyeing in an aqueous dye bath, rinsing with water, and sealing. Employed is at least one dye [X1O3S]mA[SO2N(X2)]nB (m, n = 1-4; m + n = ≤8; A = chromophore; B = H, organic. group; X1, X2 = H, cation). The dyeings obtainable according to the process of the invention have surprisingly high light-fastness properties. In an example, disodium 4,4'-diamino-1,1'-bisanthraquinone-3,3'-disulfonate was heated with ethanolamine to provide a dark red ethanolanmonium dye. The dye was used on anodically oxidized pure Al sheet.

L10 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:474599 CAPLUS

DN 119:74599

TI Dyes, their preparation and use, and sulfoxobutyramide intermediates

IN Adam, Jean Marie; Eichenberger, Thomas

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	EP 527704	A2	19930217	EP 1992-810585	19920731
	EP 527704	A3	19930825		
	EP 527704	B1	19960828		
	R: BE, CH, DE, ES, FR, GB, IT, LI				
	ES 2092080	T3	19961116	ES 1992-810585	19920731
	US 5302704	A	19940412	US 1992-924140	19920803
	JP 05202306	A2	19930810	JP 1992-227855	19920805
PRAI	CH 1991-2344	A	19910808		

OS MARPAT 119:74599

AB The dyes, R₁R₂NCOC(:NNHR₃)COCH₂SO₃H (R₁ = H, C₁-4-alkyl; R₂ = optionally substituted Ph; R₃ = diazo component residue), are obtained for use on polyamide fibers, paper, and leather. Thus, diketene was chlorinated and condensed with p-anisidine, and the product was heated with Na₂SO₃ to give p-MeOC₆H₄NHCOCH₂COCH₂SO₃H (I). I was coupled with diazotized 4-aminoazobenzene to give a product which dyed nylon 66 and wool fibers yellow.

L10 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1993:61519 CAPLUS

DN 118:61519

TI Azo dyes, their preparation and use

IN Adam, Jean Marie; Eichenberger, Thomas

PA Ciba-Geigy A.-G., Switz.

SO Ger. Offen., 10 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	DE 4208535	A1	19920924	DE 1992-4208535	19920317
	CH 681806	A	19930528	CH 1991-843	19910319
PRAI	CH 1991-843	A	19910319		

OS MARPAT 118:61519

GI For diagram(s), see printed CA Issue.

AB The title dyes (I; R1 = H, organic group; R2, R3 = H, optionally substituted C1-6-alkyl or phenyl; E = N, C; X = O, S, imino; Z = N, CH; Y1, Y2 = O, NH, iminoalkyl; M = H, alkali metal, ammonium; ring A carbocyclic or N-containing ring; ring B is optionally substituted) are obtained for use with paper and other substrates. Thus, 2-(4-aminophenyl)-6-methyl-7-benzothiazolesulfonic acid was diazotized and coupled with 3-amino-5-imino-2H-1,2,6-thiadiazine 1,1-dioxide to give yellow orange dye for paper.

=> d his full

(FILE 'HOME' ENTERED AT 10:43:58 ON 13 SEP 2006)

FILE 'REGISTRY' ENTERED AT 10:44:09 ON 13 SEP 2006

L1 STRUCTURE UPLOADED
 D

L2 2 SEA SSS SAM L1
 D SCAN

L3 109 SEA SSS FUL L1

FILE 'CAPLUS' ENTERED AT 10:45:18 ON 13 SEP 2006

L4 4 SEA ABB=ON PLU=ON L3
 D QUE L4 STAT

 D 1-4 BIB ABS HITSTR

 E FEILER LEONHARD/AU

L5 16 SEA ABB=ON PLU=ON "FEILER LEONHARD"/AU
 E RAIMANN THOMAS/AU

L6 1 SEA ABB=ON PLU=ON "RAIMANN THOMAS"/AU
 E EICHENBERGER THOMAS/AU

L7 16 SEA ABB=ON PLU=ON "EICHENBERGER THOMAS"/AU
 E HUGIN MAX/AU

L8 2 SEA ABB=ON PLU=ON "HUGIN MAX"/AU

L9 31 SEA ABB=ON PLU=ON L5 OR L6 OR L7 OR L8

L10 4 SEA ABB=ON PLU=ON L9 AND AZO

 D QUE L10 STAT

 D 1-4 BIB ABS

FILE HOME

FILE REGISTRY

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STRUCTURE FILE UPDATES: 12 SEP 2006 HIGHEST RN 906508-44-9

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FILE LAST UPDATED: 12 Sep 2006 (20060912/ED)

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